-17-0 E

PTO/SB/17 (01-06)

Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	on Act of 199	5 no persons are require	d to resp	ond to a collection of	informatio	n unless it display	s a valid OMB control number
PACE Insuant to the Consolid					Con	nplete if Knov	vn
		iations Act, 2005 (H.R. 48	_ ' 4	Application Number	r 09/	929,465	
FEE IK	ANS	SMITTAI	┕	Filing Date	Aug	gust 14, 2001	
. Foi	r FY 2	.006	F	First Named Inven	tor Jeff	f Kirsner	
A sulface A alaima amali		- 0 07 OFD 4 07	[F	Examiner Name	Tuc	ker, Philip C.	
Applicant claims small	entity status	s. See 37 CFR 1.27		Art Unit	171	12	
TOTAL AMOUNT OF PAY	MENT (\$) 180.00		Attorney Docket N	o. HA	LB:020	
METHOD OF PAYMENT		I that apply)					
			1				
Credit (Money Order	None	Other (plea	se identify	/):	
✓ Deposit Account □	eposit Accour	nt Number: <u>50-0807</u>		Deposit Acco	unt Name:_	Karen B. Tri	pp, Attorney
For the above-identi	fied deposit	account, the Director	is hereb	y authorized to: (d	check all t	hat apply)	
✓ Charge fee(s)	indicated b	elow		Charge f	ee(s) indi	cated below, ex	cept for the filing fee
Charge any a	dditional fee	e(s) or underpayments	of fee(s	s) 🔽 Credit ar	ny overpa	vments	
under 37 CFF under 37 CFF			ard infor		•	•	rovida cradit card
information and authorization			114 1111011	madon anodia not i	o metado	a on and ronn. I	TO VIGE CICALL CATA
FEE CALCULATION (A	ll the fees	below are due up	on filin	ig or may be su	bject to	a surcharge.	.)
1. BASIC FILING, SEAR	RCH, AND	EXAMINATION FE	ES				
·	FILING					ATION FEES	
Application Type	Fee (\$)	Small Entity Fee (\$)	ee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEE	:s					Fee (\$)	Small Entity
<u>Fee Description</u> Each claim over 20 (i	ncluding F	Reissues)				50	Fee (\$) 25
Each independent cla			;)			200	100
Multiple dependent cl		. 3	•			360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$) - 20 or HP = HP = highest number of total daims paid for, if greater than 20.

Extra Claims Indep. Claims Fee (\$) Fee Paid (\$) - 3 or HP =

HP = highest number of independent claims paid for, if greater than 3.

APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof

Total Sheets

(round up to a whole number) x

Fee Paid (\$)

Multiple Dependent Claims

Fee (\$)

Fee Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Supplemental Information Disclosure Statement

180.00

Fees Pald (\$)

SUBMITTED BY

Registration No. 30,452 Telephone 713 658 9323 Signature (Attorney/Agent) Date April 14, 2006 Name (Print/Type) Karen B. Tripp

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

04/18/2006 MBLANCO 00000004 09929465

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no person

TRANSMITTAL **FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

are required to respond to a col	llection of information unless it displays a valid OMB control number.
Application Number	09/929,465
Filing Date	August 14, 2001
First Named Inventor	Jeff Kirsner
Art Unit	1712
Examiner Name	Tucker, Philip C.
Attorney Docket Number	HALB:020

	ENCLOSURES (Check all that apply)							
	Amendm A Extension Express A Information Certified Documer Reply to Incomple	ee Attached ent/Reply fter Final ffidavits/declaration(s) n of Time Request Abandonment Request on Disclosure Statement Copy of Priority ht(s) Missing Parts/ te Application eply to Missing Parts nder 37 CFR 1.52 or 1.53		Petition Petition Provisio	g(s) ng-related Papers	ation te Address		After Allowance Communication to TC Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): um Receipt Postcard
		SIGNA	TURE	OF AP	PLICANT, ATT	ORNEY, C	RAG	ENT
Firm Name Karen B. Tripp, Attorney a			it Law					
Signature Kau B.			Ju	سنهم				
Printe	d name	Karen B. Tripp		00				
Date April 14, 2006					Reg. No.	30,452	2	

CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature Date April 14, 2006 Karen B. Tripp Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

APR 14 2006

PTO/SB/08B (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form	e required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known			
Substitute for form	Application Number	09/929,465		
INFORMATION DISCLOSURE	Filing Date	August 14, 2001 Jeff Kirsner		
STATEMENT BY APPLICANT	First Named Inventor			
(Use as many sheets as necessary)	Art Unit	1712		
(Use as many sneets as necessary)	Examiner Name	TUCKER, PHILIP C.		
Sheet 1 of 8	Attorney Docket Number	HALB:020		

		NON DATES I LITEDATURE ROCLIMENTO	
Examiner Initials*	Cite No. ¹	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LA	Baroid Drilling Fluids, Inc. brochure entitled "PETROFREE (TM) The Biodegradable Solution for High-Performance Drilling," (1998) 8 pages	
	LB	A. Samuels, "H2S Need Not Be Deadly, Dangerous, Destructive, Soc. Petroleum Engineers, SPE 5202, (1974)	
	LC	R.K. Clark, et al., "Polyacrylamide/Potassium-Chloride Mud for Drilling Water-Sensitive Shales," J Petroleum Tech. 719-727 SPE 5514 (June 1976)	
	LD	J.E. Friedheim, et al, "An Environmentally Superior Replacement for Mineral-Oil Drilling Fluids," 299-312, SPE 23062, (Sept. 3-6, 1991)	
	LE	J. H. Rushing, et al, "Bioaccumulation from Mineral Oil-WEt and Synthetic Liquid-Wet Cuttings in an Estuarine Fish," 311-320, SPE 23350, (Nov. 10-14, 1991)	
	LF	F.V. Jones, et al., "The Chronic Toxicity of Mineral Oil-WEt and Synthetic Liquid-Wet Cuttings on an Estuarine Fish, Fundulus grandis," 721-730, SPE 23497, (Nov. 10-13, 1991)	
	LG	J.E. Friedheim, et al, "Superior Performance with Minimal Environmental Impact: A Novel Nonaqueous Drilling Fluid," 713-726, SPE 25753, (Feb. 23-25, 1993)	
	LH	S. Park, et al., "The Success of Synthetic-Based Drilling Fliuds Offshore Gulf of Mexico: A Field Comparison to Coventional Systems," 405-418, SPE 26354, (1993)	
	LI	M. Slater, "Commonly Used Biodegradation Techniques for Drilling Fluid Chemicals, Are They Appropriate," 387-397, SPE/IADC 29376, (1995)	
	LK	J. Candler, et al, "Seafloor Monitoring for Synthetic-Based Mud Discharged in the Western Gulf of Mexico," 51-69, SPE 29694, (1995)	

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
OSSOCIACIONI I VANDI I O	Application Number	09/929,465			
INFORMATION DISCLOSURE	Filing Date	August 14, 2001			
STATEMENT BY APPLICANT	First Named Inventor	Jeff Kirsner			
(Use as many sheets as necessary)	Art Unit	1712			
(000 20 maily 0110022 20 110002021)	Examiner Name	TUCKER, PHILIP C.			
Sheet 2 of 8	Attorney Docket Number	HALB:020			

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LL	J.E. Friedheim, et al, "Second Generation Synthetic Fluids in the North Sea: Are They Better?", 215-228, IADC/SPE 35061, (1996)	
	LM	M. A. Legendre Zevallos, et al., "Synthetic-Based Fluids Enhance Environmental and Drilling Performance in Deepwater Locations," 235-242, SPE 35329 (1996)	
	LN	E.A. Vik, et al, "Factors Affecting Methods for Biodegradation Testing of Drilling Fluids for Marine Discharge," 697-711, SPE 35981 (1996)	
	LO	L. Bailey, et al, "Filtercake Integrity and Reservoid Damage," 111-120, SPE 39429, (1998)	
	LP	P.A. Bern, et al, "Barite Sag: Measurement, Modeling and Management," IADC/SPE 47784 (9 pages)(1998)	
	LQ	N. Hands, et al, "Optimising Inflow Performance of a Long Multi-Lateral Offshore Well in Low Permaeability, Gas Bearing Sandstone:K14-FB 102 Case Study," SPE 50394 (1998) 14pp	
	LR	L. Xiao, et al, "Studies on the Damage Induced by Drilling Fluids in Limestone Cores," SPE 50711 (17 pages) (1999)	
	LS	A. Meinhold, "Framework for a Comparative Environmental Assessment of Drilling Fluids Used Offshore," SPE 52746 (10 pages) (1999)	
	LT	L.J. Fraser, et al, "Formation-Damaging Characteristics of Mixed Metal Hydroxide Drill-In Fluids and a Comparison with Polymer-Base Fluids," SPE 57714 (1999)	
	LU	P.A. Bern, et al., "Barite Sag: Measurement, Modeling, and Management, " SPE 62051, SPE Drill. & Completion 15(1) 25-30 (March 2000)	

Examiner	Date	-
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO	Complete if Known			
	Application Number	09/929,465		
INFORMATION DISCLOSURE	Filing Date	August 14, 2001		
STATEMENT BY APPLICANT	First Named Inventor	Jeff Kirsner		
(Use as many sheets as necessary)	Art Unit	1712		
(osc as many shock as necessary)	Examiner Name	TUCKER, PHILIP C.		
Sheet 3 of 8	Attorney Docket Number	HALB:020		

Examiner	Cite	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	_
Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LV	A. Saasen, et al, "Prediction of Barite Sag Potential of Drilling Fluids from Rheological Measurements," SPE/IADC 29410 (Feb 26-Mar 2, 1995)	
	LW	P.I. Reid, et al, "Field Evaluation of a Novel Inhibitive Water-Based Drilling Fluid for Tertiary Shales," SPE 24979 (Nov. 16-18, 1992)	
	LX	W. Hite, et al, "Better Practices and Synthetic Fluid Improve Drilling Rates, Oil & Gas J. Online (Feb. 20, 1995)	
	LY	N. Hands, et al, "Drill-in Fluid Reduces Formation Damage, Increases Production Rates," Oil & Gas J. Online (1998)	
	LZ	J.P. Plank, "Water-Based Muds Using Synthetic Polymers Developed for High Temperature Drilling," Oil & Gas J. Online (1992)	
****	МА	Brookfield Instruction Manual for SSV Vane Standard Spindle Set	
	МВ	Brookfield Press Release on Vane Spindles (March 12, 2002), ThomasNet Product News Room	
	мс	EPA Development Document for Proposed Effluent Limitations Guidelines for Standards for Synthetic-Based Drilling Fluid and Other Non-Aqueous Drilling Fluids (Feb. 1999)	
	MD	Environmental Impacts of Synthetic Based Drilling Fluids, U.S. Dept of the Interior, Minerals Management Service, August 2000	
	ME	EPA Environmental Assessment of Proposed Effluent Limitations Guidelines for Synthetic-Based Drilling Fluids and Other Non-Aqueous Drilling Fluids (Feb. 1999)	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 09/929,465 **INFORMATION DISCLOSURE** Filing Date August 14, 2001 STATEMENT BY APPLICANT **First Named Inventor** Jeff Kirsner Art Unit 1712 (Use as many sheets as necessary) **Examiner Name** TUCKER, PHILIP C. Sheet Attorney Docket Number **HALB:020** of

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	MF	"Horizontal Wells Offer Economic Advantage," Horizontal News, Fall 1996	
	MG	A. Saasen, et al, "Monitoring of Barite Sag Important in Deviated Drilling," Oil & Gas J. Online (1991)	
	мн	Novadril (TM) System, MI Technology Report (1993)	
	МІ	G. Robinson et al, "Novel Viscometer for Improved Drilling Fluid Characterization, Baker Hughes INTEQ (1996)	
	MJ	N.J. Alderman, et al, "Vane Rheometry of Bentonite Gels," 39 J. Non-Newtonian Fluid Mechanics 291-310 (1991)	
	MK	API Recommended Practice Standard Procedure for Field Testing Oil-Based Drilling Fluids, API Rec. Prac. 13B2, 3rd. ed. (Feb. 1998) American Petroleum Institute	
	ML	Depostion Transcript of David Carbajal, co-inventor of US 6,887,832, in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan. 12, 2006)	
	ММ	Deposition Transcript of Kimberly Burrows, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Oct. 26, 2005)	
	MN	Deposition Transcript of Don Siems, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Dec. 12, 2005)	
	МО	Deposition Transcript of Jeff Kirsner, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Feb. 15, 2006)	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
o a collection of information unless it contains a valid OMB control number. Under the Panerwork Reduction Act of 1995, no persons are required to respond

Substitute for form 1449/PTO		Complete if Known			
				Application Number	09/929,465
INF	ORMATION	DIS	CLOSURE	Filing Date	August 14, 2001
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Jeff Kirsner
	(Use as many she	ats as n	ecessary)	Art Unit	1712
				Examiner Name	TUCKER, PHILIP C.
Sheet	5	of	8	Attorney Docket Number	HALB:020

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	MP	Deposition Transcript of Karen Tripp, patent prosecuting attorney for US 6,887,832, CV 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan 26, 2006)	
	MQ	First Amended Complaint, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., Halliburton Energy Services, Inc. v. M-I, LLC., filed1/27/1006	
	MR	M-I, LLC's 2nd Amended Answer, Affirmative Defenses, and Counterclaims, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., filed 2/10/2005	
	мѕ	Plaintiff's Preliminary Infringement Contentions, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I LLC, 9/16/2005	
	мт	M-I, LLC's Preliminary Invalidity Contentions, CA No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I, LLC, 10/28/2005	
	MU	K. Burrows, et al., "New Low Viscosity Ester is Suitable for Drilling Fluids in Deepwater Applications," SPE 66553, Feb. 2001 (14 pages)	
	MV	L.F. Nicora, "High-Density Invert-Emulsion System with Very Low Solids Content to Drill ERD and HPHT Wells," SPE 65000, Feb. 2001 (17 pages)	
	MW	D. Eckhout, et al., "Development Process and Field Applications of a New Ester-based Mud System for ERD Wells on Australia's Northwest Shelf," IADC/SPE 62791 (Sept. 2002)	
	мх	M. Mas, et al, "A New High-Temperature Oil-Based Drilling Fluid," SPE 53941, Venezuela April 1999 (14 pages)	
	MY	C. Cameron, et al, "Drilling Fluids Design and Management for Extended Reach Drilling," IADC/SPE 72290, Oct. 2001 (7 pages)	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DNOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				Complete if Known			
				Application Number	09/929,465		
INF	ORMATION	I DIS	CLOSURE	Filing Date	August 14,2001		
ST	ATEMENT E	BY A	PPLICANT	First Named Inventor	Jeff Kirsner		
	(Use as many she	n se stee	ecessan/l	Art Unit	1712		
	(000 40 11141) 0114			Examiner Name	TUCKER, PHILIP C.		
Sheet	6	of	8	Attorney Docket Number	HALB:020		

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	MZ	L. Knox, et al, "New Developments in Ester-based Mud Technology," AADE-02-DFWM-HO-41, April 2002 (9 pages)	
	NA	L.J. Fraser, "Field Application of the All-Oil Drilling Fluid," IADC/SPE 19955, Feb. 27-Mar. 2, 1990)	
	NB	Halliburton's Proposed Terms and Claim Elements for Construction, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 11/21/2005	
	NC	Defendant M-I, L.L.C.'s List of Disputed Claim Terms, Civil Action No. 6:05CV155, U.S. Dist. Court, (E.D. TX), Halliburton Energy Services, Inc. v. M-I LLC, 11/21/2005	
	ND	Plaintiff's Preliminary Claim Constructions Pursuant to Local Patent Rule 4-2, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 12/23/2005	
	NE	Defendant M-I, LLC's Preliminary Claim Construction and Identification of Extrinsic Evidence for U.S. Patent No. 6,887,832, CV 6.05CV155, US Dist. Ct. (E.D. TX),12/23/2005	
	NF	Joint Claim Construction and Prehearing Statement Pursuant to P.R. 4-3, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC 1/20/2006	
	NG	Defendant M-I, LLC's Motion for Summary Judgment of Invalidity with Respect to U.S. Patent No. 6,887,832,	
	ΝН	M-I LLC's Motion for Leave to Add Inequitable Conduct Defense to its Pleadings, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC, 1/26/2006	
	NI	Halliburton's Opposition to M-l's Motion for Leave to Add Inequitable Conduct Defense to its Pleadings, CV 6.05CV155, US Dist. Ct., Halliburton v. M-l, 2/13/2006	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO	Complete if Known		
	Application Number	09/929,465	
INFORMATION DISCLOSURE	Filing Date	August 14, 2001	
STATEMENT BY APPLICANT	First Named Inventor	Jeff Kirsner	
(Use as many sheets as necessary)	Art Unit	1712	
(050 as many shous as necessary)	Examiner Name	TUCKER, PHILIP C.	
Sheet 7 of 8	Attorney Docket Number	HALB:020	

•			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
·	ŊJ	Plaintiff's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 9/16/2005	
	NK	Defendant M-I, LLC's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 8/19/2005	
	NL	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Requests for Production, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NM	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NN	Plaintiff Halliburton's Supplemental Responses and Objections to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 10/25/2005	
	NO	M-I, LLC's Responses to Plaintiff's First Set of Interrogatories to Defendant (Nos. 1-21), Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton v. MI, 11/16/2005	
×	NP	Halliburton's Opening Brief on Claim Construction, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NQ	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for its Markman Brief, CV 6.05CV155, US Dist. Ct., Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NR		
	NS		

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sub	stitute for form 1449/PTO	Complete if Known		
		Application Number	09/929,465	
1N	FORMATION DISCLOSURE	Filing Date	August 14, 2001	
		First Named Inventor	Jeff Kirsner	
S	TATEMENT BY APPLICANT	Art Unit	1712	
	(Use as many sheets as necessary)	Examiner Name	TUCKER, PHILIP C.	
Sheet	8 of 8	Attorney Docket Number	HALB:020	

Examiner	Cite No.1	Document Number	Publication Date MM-DD-YYYY	DOCUMENTS Name of Patentee or Pages, Columns, Line		
Initials*		Number-Kind Code ^{2 (f known)}		Applicant of Cited Document	Relevant Passages or Relevan Figures Appear	
	NT	^{US-} 6,289,989	09-18-2001	Heinz Mueller		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-		-		
		US-				

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁰			
	NU	CA 2 088 697	02-20-1992	Heinz Mueller et al					
	NV	WO 95 26386	10-05-1995	Wilkinson et al.					
	NW	WO 96 22342	07-25-1996	M. Ellice et alBAROID					
						$oldsymbol{ol}}}}}}}}}}}}}}$			

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.